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USGS: Cruise Report
80-1
Whitefoot June 11 to 19, 1980
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Charles E. McClennen
Department of Geology
Colgate University
Hamilton, NY 13346

1. Ship: Whitefoot of Vineyard Haven, Mass.
2. Cruise number: WF80-1
3. Project: USGS Geologic Hazards Survey of New Jersey inner shelf for BLM
4. Funding: USGS-BLM
5. Funding Amount: \$35,950 (FY-80)
6. Contract Number: BLM-USGS MOU AA551-MU0-18
7. Contract Start and End dates: 10/1/79 to 9/30/80 (FY-80)
8. Area of Operation: New Jersey inner Continental Shelf from 0.9 to 33 km
(0.5 to 18 Nautical miles) offshore from Corson Inlet
to Manasquan Inlet (See Figure 1).
9. Cruise started June 11, 1980 and ended June 19, 1980: Woods Hole, Mass.
and return.
10. Chief Scientist: Charles E. McClennen, USGS and Colgate University, Hamilton,
New York 13346
11. Scientific Party: Gerald McCarthy, USGS
Marshal Otter, USGS
Captain: Ray Campbell
12. The cruise purpose was to make a preliminary high resolution seismic survey
and side scan sonar survey of the designated stretch of the New Jersey inner
continental shelf shoreward of the 10 fm depth since this region has previously
been avoided by the deeper draft Oceanographic Research vessels. The data will
be examined to determine the presence and distribution of geologic hazards
related to possible petroleum pipeline installation.
13. Navigation: Loran C, Northstar 6000 with fixes recorded at 5 minute time
intervals.
14. Scientific Equipment: Klein Side Scan Sonar
ORE 3.5 kHz Seismic System
EG&G Uniboom Seismic System
2 Dual Channel EPC Graphic Recorders
One 8-track Tape Recorder
15. Tabulated Information
 - a. Days at Sea: 9
 - b. Kilometers of Side Scan Survey: 796
 - ORE 3.5 kHz: 880
 - Uniboom: 888

(WHITEFOOT)

CRUISE WF 80-1
June 11-18, 1980



